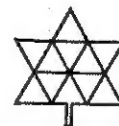
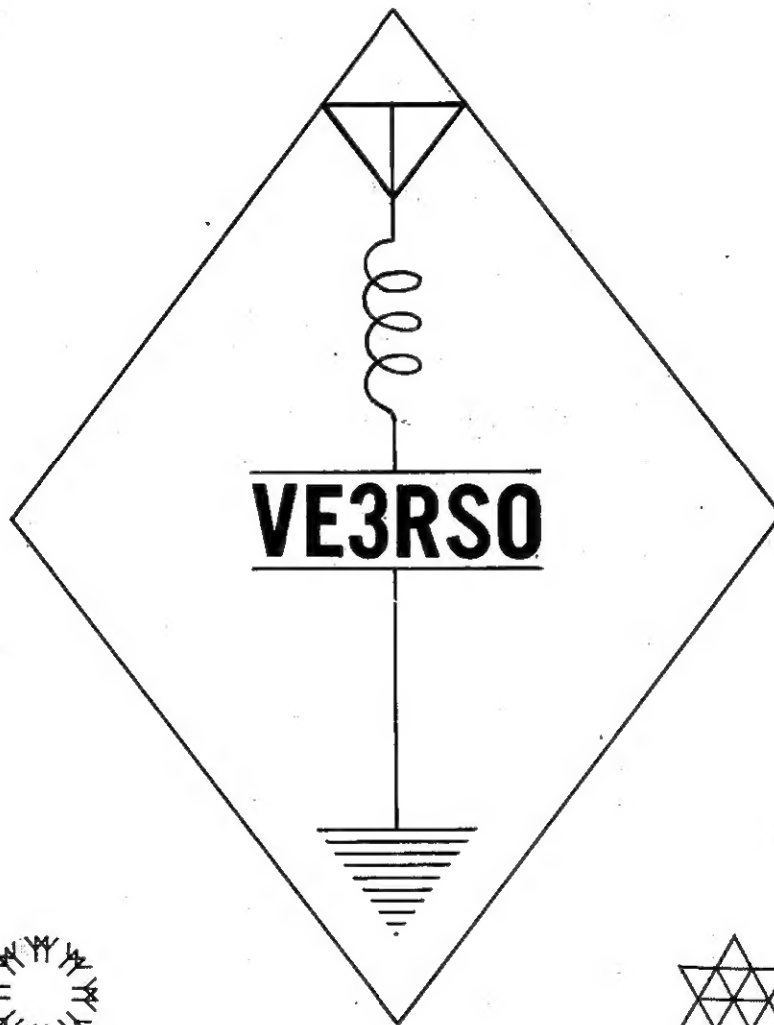


June 1967

THE ONTARIO AMATEUR

Going Strong..And..Growing Stronger



RADIO SOCIETY OF ONTARIO INC.

RADIO SOCIETY OF ONTARIO, INCORPORATED.

The Radio Society of Ontario, Incorporated is to be the organization best representing and serving the needs of Ontario Amateurs. The Delegates and Executive Comprise a united body serving the membership, and planning together to implement the objectives of the Society.

PRESIDENT:	✓ Bill Choat, VE3CO, 38 Grenview Blvd. North, Toronto 18.
PAST PRESIDENT:	✓ W. Finlay, VE3CLK, 1516 Bunsden Avenue, Port Credit.
VICE-PRESIDENTS:	John Williams, VE3AAO, 537 Canterbury Road, London. Ken Andras, VE3UU, 214 Russell Hill Road, Toronto.
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QSL BUREAU:	R. Buckley, VE3UW, 20 Almont Road, Downsview.

D. Guthrie - Tech Committee

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KINGSTON:	✓ A. Blick, VE3AHU, Box 204, Amherst View.
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KITCHENER:	A. Hampshire, VE3BWM, C.F.B., Clinton Adastral Park.
NORTH BAY:	C. Roy, VE3WQ, P. O. Box 23, Porquois Junction.

F. Hamer - J.C.

Delegates are elected yearly in electoral districts which correspond with D.O.T. district boundaries. The Delegates meet at the Annual Meeting in January, which is open to the membership, and elect the Executive for the year. The Delegates also meet at the Semi-annual Meeting in September and review the performance of the Executive, having full power to remove or replace Executive members as they may feel necessary. It is the duty of Delegates to keep in touch with their constituents, to interpret their wishes and to implement, as necessary, the policies and programmes of the Society in their district.

THE ONTARIO AMATEUR

OFFICIAL ORGAN OF THE RADIO SOCIETY OF ONTARIO, Inc.

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Correspondance should be addressed to:-

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EDITOR: VE3BFG Herb Nelson MANAGING EDITOR: VE3EXF Len Curzon
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THE PRESIDENT'S MESSAGE.

I am pleased to report the following actions which your Executive Committees have taken as a service of The Radio Society of Ontario to its members during the last six months.

A weekly "on the air" bulletin over the Chicken Junction net, 3790 Kc's, Laurentian net, 3750 Kc's, Ontario Phone net, 3770 Kc's, The R.T.T.Y. net, The C.W. net, 3645 Kc's, Two Metre net, Capital City net, Ottawa (2000EST Thursday) and North West net, 3750 Kc's (1815 CDST Thursday).

A great amount of assistance has been given to the Canadian National Institute for the Blind (C.N.I.B.) Amateur Radio Club of which Dave Lloyd, VE3AW, is Chairman. See report elsewhere in this issue of the Ontario Amateur.

The Technical Committee has met with the D.O.T. officials in Toronto regarding an increasing number of cases of T.V.I. and B.C.I. A very excellent booklet has been prepared and issued to many Clubs in Ontario by Chairman Tom Vince, VE3CKU. A new low pass filter has been designed and a sample produced; commercial production of this unit is being investigated.

We are having discussions with the D.O.T. regarding some amateur regulations as set forth in the Regulations Handbook as used by radio inspectors.

Reese Powell, VE3DJK, is investigating cost of group life insurance for Society members should they desire it. He is also working with the Electronic Industries Association re radio and T.V. standards of domestic receivers.

The Rusty Brennan Trophy has been added to the Keith Russell Memorial Trophy for competition. See Chairman, Bill Bissell's report elsewhere.

Your President has been asked to Chair a committee of five to make recommendations for a permanent amateur station to be installed in the Ontario Centennial Centre of Science & Technology.

The Executive Committee has held a meeting every month this year so far, with better than 85% of its members in attendance.

The President appreciates the work they are doing on behalf of the members, and sincerely hopes the membership appreciates their efforts also.

It is inevitable that the form and flavour a publication assumes will bear a resemblance to the personality and philosophy of its editor. It follows that members have a right to know upon what principles the editor stands, and where his prejudices lie.

Most basic is his attitude toward the Society whose image the bulletin projects. The foremost question, of course, is; "Does the Society fill a useful, necessary rôle or does it, like the Women's Clubs described by Max Lerner in his study 'America as Civilization', merely for its Executive fill an emotional void, helping in the fight against loneliness and boredom and the chance to act as cultural surrogates?"

We feel it does fill a useful and desirable rôle although, admittedly, not a vital one; and we have not noticed that any of the present Executive, at least, require the activity as an emotional crutch.

Foremost is the need for a bond between the divergent groups that make up Amateur Radio. Phone, C.W., V.H.F. and D.X. groups are, generally speaking, worlds apart and largely unknown to one another in the daily pursuit of their avocation; but there are, after all, common problems and areas of interest and only an organization of reasonable size and influence can tackle them effectively.

Do Ontario Amateurs, then, have a duty to support R.S.O.? We say: "No." "Let the individual be his own judge of the extent of his responsibilities. Let him be the judge if the performance is worth the price." We feel the Society has a responsibility to make membership worthwhile and desirable. In other words, if the Society does not do anything, why belong? If it does really represent and serve (which it most certainly does), then individual self-interest will lead to growth. Because the Society claims to and does represent Ontario Amateurs generally, we feel non-members have the same right to criticize and advise that members undeniably have.

We feel the common charges of apathy often levelled at the members of almost any organization are, inappropriate. If the membership of a group is apathetic, it is because the leadership is lacking. Surely, it is a contradiction in terms when the leadership of any group decries lack of stimulation from the membership. When stimulation occurs in that direction, the term is 'revolution'; which, we suppose, is a natural reward of poor leadership. We are most fortunate in this organization to have vigorous, stimulating and imaginative leadership; and we, consequently, have an interested, well-informed membership.

We feel criticism should be met with frankness and a willingness to admit mistakes and to change accordingly. The American philosopher, Ralph Waldo Emerson, put it: "Foolish consistency is a hobgoblin of little minds."; and for those of you who may feel bashful about criticising because you are not playing an active part, Emerson had some words of encouragement:

"Words and deeds are quite indifferent modes of the divine energy. Words are also actions, and actions are a kind of words."

RADIO SOCIETY OF ONTARIO INC.

Reprinted here for your information is a copy of a letter now being sent to all Provincial Amateur Radio Societies in Canada:

During this centennial year you have probably received an enquiry with regard to "forming an association of Canadian Amateurs". The initiative for this move has come from The Amateur Radio League of Alberta. The Manitoba Association of Amateur Radio Clubs has aided the idea by inviting all interested Provincial groups to a meeting in Winnipeg on September 2nd and 3rd, 1967.

It seems as if the interest is rising and the R.S.O.'s more than 1,000 members look forward to a most successful meeting. It is with this meeting in mind that we are writing to you. We feel your Provincial Society should be aware of our views as we would like to be of yours. This exchange of correspondence will allow the delegates to prepare for a worthwhile agenda.

The R.S.O. is in favour of the formation of a Canadian Federation of Provincial Societies. It is the feeling of the R.S.O. that the bringing together of Provincial Executives to form such an organization would be most practical and would enable us to keep in touch with one another, both on local and national matters.

The idea of a single organization to which Canadian Amateurs would join individually is not the type of organization that the R.S.O. favours now. At this time, we feel that a strong Provincial group is necessary in each Province first. It seems more logical to have these Provincial groups represented at the National level rather than the individual in his singularity. In our opinion, the Federation of these Provincial groups is far more feasible at present; and that a successful beginning is important if we are to represent all Amateurs in Canada. To jump headlong into a National Association of individual amateurs would, in most cases, divide the Provincial group memberships and weaken the Canadian Amateur rather than consolidate which, we feel, is the aim of all.

We are most anxious to hear any comments that you might have on this matter, and we look forward to meeting your representatives in Winnipeg in September.

Best

Bill Bissell,

A NATIONAL ORGANIZATION OF CANADIAN HAMS?

The Radio Society of Ontario is on record as being in favour of the formation of a Canadian Federation of Provincial Societies. (See our letter to Mr. J. Lewis, VE6AKA, President of the Amateur Radio League of Alberta, Page 23, of March 1967 issue of Ontario Amateur.)

The Radio Society of Ontario has been asked to send a representative to a meeting to be held in Winnipeg on Labour Day week-end, September 2nd and 3rd, 1967, to explore the possibility of the formation of an Association of Canadian Amateurs.

There is a great difference in the two organizational set-ups; and to comment on these differences, I contacted Noel Eaton, VE3CJ, who is the Canadian Director of the A.R.R.L. and who has had considerable experience in these matters.

He favours the R.S.O. position, with reservations, as being sound and practical at this time.

He has been invited to attend the meeting in Winnipeg, and is planning to do so to offer the benefit of his experience.

For the benefit of those who have had limited experience in organizational set-ups; a Federation of Provincial Societies means the executive officers of each Provincial Society would be members of the Federation and keep in touch with one another on local and national matters, whereas an Association of radio amateurs would mean that each individual amateur would be an independent member of the organization. In the Federation set-up, information and action is passed to members of each Provincial Society by its executive; but in the Association set-up, information goes to each member individually making for a much more cumbersome organization. Such a set-up would require a national headquarters and probably paid staff which makes its economic future doubtful at the present.

I plan to attend the Winnipeg conference with an open mind on all such matters, and will be interested in seeing what others in attendance have in theirs.

Bill Choat, VE3CO.

? ? ? ? ?

QUESTIONS TO BE DECIDED AT THE WINNIPEG CONFERENCE.

We are planning to hold a full-scale discussion at the June meeting of the Kingston Amateur Radio Club regarding the numerous problems and questions that will come up before and during the conception of the proposed National Federation.

Some of the items are:

- (1) Representation and voting power - should it be by amateur population per Province, by size of Provincial group membership, by geographical division or some combination of these?
- (2) Selection of Provincial representatives - should it be each Provincial President, an Executive appointment, an individual elected by Provincial members or delegates?
- (3) Composition of the National Executive - How many, what offices and duties of each?
- (4) Financing - where does the money come from? An extra on Provincial dues, pro-rata based on amateur population and let each group raise its share as best it can? Other?
- (5) Policy, aims and objects of the organization - what should they be?
- (6) Activities and projects - where should activity lie? In being the amateur representative to D.O.T.? In setting up a communications department with all its attendant activities?
- (7) Communications between Executive - how many personal meetings? A teletype network? Extensive consultation by correspondence?
- (8) Communication to amateurs - a National publication, a section or supplement in each Provincial Bulletin?

We will make up a synopsis of the discussion, and others to be held in this district, and present it to the head of our delegation to Winnipeg (VE3CO). We feel that if each delegate to R.S.O. did the same, it would be a great help to our representatives. At least, they would be armed with the considered decisions of a large group of Ontario Amateurs. All opinions would be appreciated!

Art Blick, 3G3AHU,
Delegate for the Kingston District.



"THE ONTARIO AMATEUR" wrote to Mr. John Huntoon, General Manager of A.R.R.L., advising him of R.S.O.'s policy regarding formation of a National Organization for Canadian amateurs; and requesting him to advise our readers of Official League policy in this matter. His prompt reply is reprinted below:

"Dear OM:

Newington, Conn. June 1st, 1967.

I am not really in a position to state an official policy of the League towards the proposal you have submitted as this could be determined only by our Board of Directors. For that reason, I am referring your letter to Noel Eaton, VE3CJ, Director from the Canadian Division.

It is, of course, a desirable move to set up a federation or council of clubs in any particular area to co-ordinate their efforts and activities.

I hope to see you at the Convention later this month.

Sincerely yours,

(Signed) John Huntoon, WLLVQ,
General Manager,"

NOTE: Mr. Noel Eaton took the trouble to 'phone the Editor to confirm the information that A.R.R.L. has no official policy, at this time, regarding a Canadian organization in case Mr. Huntoon's letter did not arrive by press time. Many thanks, Noel. Ed.

The following letter, concerning a matter of interest to all members, has not been answered by press time, June 6th.

May 25th, 1967.

Richard W. Roberts, VE3NG,
Ontario Section Communications Manager,
American Radio Relay League,

Dear Dick:

On April 25th, 1967, the Official R.S.O. Broadcast Item (6) stated: "...the Technical Committee is working with D.O.T. in an attempt to set up specific standards with regard to TV field strength and amateur harmonic attenuation."

Last evening, while listening to a large round-table discussion on 75 metres, this project appeared to be under discussion and drawing a great deal of lively interest.

I noted, with interest, a statement you made while a participant in this discussion. "THIS PROJECT YOU ARE UNDERTAKING AFFECTS ALL CANADIAN AMATEURS. YOU FELLOWS ARE A PROVINCIAL ORGANIZATION AND SHOULD NOT BE DOING THIS SORT OF THING."

As this point of view will interest many amateurs, I would like your further comments so they may be published in the June issue of The Ontario Amateur. We have until June 5th to assemble copy.

Herb Nelson, VE3BFG, Editor.

OR

WHERE DID ALL MY DBS. GO?

by VE3CKU TOM VINCE

Is TVI on the increase? Ask the twenty or so Amateurs in the Metro area who have received the word officially. No doubt this is a small percentage of those that have not yet been reported. Other parts of Ontario will probably produce TVI in the same proportion to their Amateur population.

What it all boils down to is, Ten and Fifteen Metres are opening up again and by the fall season should be in full swing. Most Hams have until then to check out their equipment and make the necessary changes to ensure TVI free operation.

Let's take a typical example and see what is faced by the average operator. First of all, most of us are using commercially built gear. This may or may not be a blessing. It depends on the point of view. Commercial gear tends to make the Amateur rather complacent. After all, the equipment was designed by engineers and they should know what they are doing. They sure do, and it's all in that thing called "The Instruction Manual". When was the last time you read yours? Do you understand it thoroughly?

One of the Technical Specs. of the ITU, which is appended to our regulations but up to now never enforced, states that the spurious or harmonic content of an Amateur Transmitter shall be 40 dbs. below the power level of the emitted wave.

The THEORETICAL attenuation of the second harmonic provided by a well designed Pi Net output circuit, operating on a single frequency, using good engineering practices, with a loaded 'Q' of between 15 and 20 is 30 Dbs. However, Amateur transmitters, out of necessity, operate bands of frequencies to say nothing of the band hopping that goes on, with SWR's of from 1.1:1 to infinity leaves open to conjecture just how much harmonic attenuation the average Amateur transmitter has.

For the sake of curiosity, let's try to determine where this 30 db. figure leaves us when TVI enters the picture. (No pun intended.)

A typical transmitter has 100 watts RF output. O.K. 30 db. down from this is 100×10^{-3} or .100 watt (100 milliwatts). This doesn't seem like much harmonic content does it? Have you ever tried a pair of those 100 mw. handy talkies? Pretty astonishing range they have eh?

If you are operating 10 metres and you have a few TV antenna within a couple or three

wavelengths of the 10 metre beam (100 to 200 feet), you may as well ignore natural path attenuation (distance). The second harmonic of operation on 28.500 khz. is going to arrive right smack dab in the middle of Channel 2. 15 metres won't fare much better what with the sponge like front end of most TV sets.

Ignoring all path attenuation we now have 100 mw being induced into a 300 ohm feedline (TV feedline that is). Let's see, the formula is $E = \sqrt{PR}$ or $E = \sqrt{300 \times .1}$ or better than 5 volts. Shucks better check that again Yup, that's right 5 VOLTS. How does that jar you? Good gosh the TV station from across the line is considered fringe level in the Metro area. (Less than 400 micro volts, .000400 volts.)

A TV set requires 400 microvolts BW or 1000 microvolts Color Signal to produce a picture of good quality and enable the AGC and/or AFC to lock onto the signal.

Also, for the TV set to be free of interference, any spurious from outside sources (Ham Tx) must be 40 dbs. below the signal level of the Channel the TV set is tuned to at the time. This would be 4 and 10 microvolts respectively. Good gosh we have 5 volts of spurious . . .

I'll skip the math involved and say you will need about 100 dbs. of external attenuation (low pass filter) to reduce that 5 VOLTS of second harmonic to 50 microvolts (.000050 volts). After all, you don't want to depend on natural or other elusive contributing factors to reduce your harmonic content. YOU WANT TO BE SURE.

Those of you who are inclined to do a little computing check to see what would result with a linear tied to the Tx. If you really want to get hysterical, work it out on the basis of PEP.

Now you should realize why those low pass filters that were designed back in the 1950's are inadequate when used alongside the TV antenna that has been in use from about the same era.

One thing Color TV should do is make the viewer aware of the need of a new antenna system, but don't bet on it. So then the onus is on the 'Ham'.

The R.S.O. designed low pass filter is recommended. The author has built, to this date, several of these units; and in every case, resulted in better than 100 dbs. of attenuation of spurious above 40 mhz.

The Johnson Matchbox is a good bet also. Wish I could say the same for their l.p. filter. However, that's another story. A well designed antenna tuner can add another 30 dbs. to the overall harmonic attenuation figure. That's the reason why you have to peak the darn thing

every time you move 100 khz or so. The 'Q' of the tuner is pretty high, so, it stands to reason it's doing a good job of blocking the harmonics from reaching the antenna. They work well on coax too. A little tricky to adapt to coax feedline, but well worth the trouble. . .

There will probably be a lot of fundamental overload problems resulting from ten metre operation. This can be very easily cured with a high pass filter properly installed at the TV set tuner. If you can convince the viewer to fork over \$5.80, you can stop putting Marshall Dillon behind bars. The Drake TV 300 HP is available at cost price through the R.S.O.

Pending negotiations with the TELEVISION MANUFACTURERS ASSOCIATION leads us to believe that in the not too distant future they can see their way clear in providing a Drake HP filter to the viewer "FREE" in case of fundamental overload. Keep your fingers crossed on this one.

In the meantime if you are contemplating operation on 10 or 15 metres, better re-examine your station set-up and try to dig up a few more dbs.

Check back in a previous issue of the Ontario Amateur, a series of tests were carried out on the high bands with a Color TV set. This resulted in quite an extensive article on CTVI.

WLDWM's book on TVI is still one of the best written. If you don't now own a copy, make a point of doing so.

The A.R.R.L. or R.S.G.B. Handbooks have a wealth of information on fighting TVI. Also for \$3.50 Riders' "How to Locate and Eliminate Radio and TV Interference" is highly recommended. (Catalogue No. 158).

It is a very good idea to keep a written record of everything you do and every step you take regarding TVI. It's much easier for your TVI committee to help you if this is done; and who knows, you may come up with a unique solution to a problem that's been plaguing other Amateurs.

If it should ever get as far as the RI (perish the thought), I'm sure he would appreciate some facts when he comes a-calling.

If I haven't been able to stir you up about TVI, remember it's like cannibalism - it's too late once it gets personal.

QSL BUREAU.

One or more Cards being held in the Bureau for the following. Please send stamped, addressed envelope to:

RUSS BUCKLEY, VE3UW,
20 Almont Road,
DOWNSVIEW, Ontario.

CAE	CCB	CEB	CHG	CJN	CMF	COL	CQX	CTX	CVR
CAP	CCJ	CEK	CHJ	CJW	CMX	COT	CRW	CTY	CWH
CBH	CCK	CER	CHK	CJX	CMZ	CPB	CSG	CUM	CWP
CBI	CCO	CFC	CHW	CKW	CNE	CPP	CSI	CUS	CWS
CBK	CCX	CFG	CIB	CLU	CNT	CQB	CSY	CUX	CWV
CBS	CDB	CGB	CIJ	CLV	CNZ	CQD	CTB	CVI	CXK
CBT	CDX	CGL	CIK	CLX	COF	CQG	CTD	CVJ	CXU
CBY	CEA	CHB	CJF	CMA	COG	CQK	CTE	CVL	CXW
DAA	DCD	DFL	DHR	DLW	DOG	DTT	DWQ	DZK	CYY
DAM	DCI	DFM	DHS	DMY	DPJ	DUB	DXG	DZP	CZE
DAN	DCT	DFP	DID	DNO	DQS	DUE	DXI	DZV	CZJ
DAO	DCW	DFQ	DIO	DNS	DRD	DUF	DXL		CZO
DBD	DDK	DFT	DJK	DNT	DRL	DUM	DYB		
DBL	DDO	DFU	DKM	DNU	DRM	DVA	DYF		
DBO	DES	DFZ	DKO	DOB	DRS	DVN	DYS		
DBP	DFE	DHH	DKV	DOF	DSE	DWA	DYW		

MAILING INFORMATION.

Five (5) cards or less require five cent (5¢) postage --
Six (6) to eleven (11) cards require eight cents (8¢).

Please use envelope size five and one-half inches by seven and one-half inches (5-1/2" X 7-1/2") obtainable at any large stationery store. Show your call in the upper left corner of the envelope.

For the next issue of the R.S.O. Bulletin, I will endeavor to list a further series of calls for which Cards are waiting.

If I have listed your Call and an envelope is on file, drop me a line and the error will be rectified.

An extra envelope on file will assist the QSL Manager in reducing the number of Cards taking up valuable space.

Russ Buckley, VE3UW.



By Len Curzon VE3EXF

R.S.O. AFFILIATED CLUBS:

Niagara Peninsula A.R.C.
 Renfrew County A.R.C.
 Oakville A.R.C.
 Metro A.R.C.
 Kingston ARC

Scarborough A.R.C.
 Sarnia Lambton A.R.C.
 Skywide A.R.C.
 Brantford A.R.C.
 C.A.R.T.G. Kingstor

CALL LETTER LICENCE PLATES:

As a Centennial Project, our Club has been attempting to carry on the struggle for Call Letter Licence Plates for the Province of Ontario. As you know, Ontario is the only Province without this privilege. The following extract is the culmination of a series of letters, and is from the Minister of Transport, The Hon. Irwin Hasket, dated February 23rd, 1967.

"There is no question in my mind that your request is reasonable; and if possible, I would certainly wish to make such licence plates available to your group. However, the Department does have a difficult problem in respect of this type of request. There are a number of organizations performing significant public service, as in the case of your organization, that would like to have special identity of their motor vehicles to give recognition and assist in the services they are performing. You will well appreciate that from the Department's point of view the same treatment should be accorded to all these persons and organizations. Vehicle plates are manufactured by the inmates of one of the Ontario penal institutions at a cost of some \$600,000.00. To introduce a number of new series of plates, would add considerable cost to their manufacture; and also to the cost of administration in issuing these special series. The issuance of a special series which would remain with the owner of the vehicle, of course, is contrary to the principle in effect at the present time whereby the registration plate must remain with the motor vehicle. To institute a system whereby the registration plate would remain with the owner rather than the vehicle would further add to the expense and difficulties in the administration of the motor vehicle registration. There is no objection to the use of a similar type plate to identify your radio call letters being used on the motor vehicle provided that it does not interfere with the display of the registration plate as required under the Highway Traffic Act.

The Department is studying the feasibility of the issuance of a more permanent type of plate which would remain in effect for a period longer than one year, and the matter of issuing special series of plates under this system will be given every consideration."

Courtesy: Ottawa Valley Mobile Radio Club

WHAT THE COMPETITION IS DOING.

Here is part of an editorial from "Scope", 'Canada's General Radio Service Journal'.....

"As you no doubt read in our last issue, the Tri-County General Radio Association has asked their member of parliament to look into the possibilities of securing licence plates bearing their GRS call numbers. This group has acted on what they feel would be a worthwhile venture for the Ontario Motor Vehicle Licence Division. The basic idea is that a vehicle equipped with GRS radio be easily identified in case of emergency by the 'XM'.

Amateur radio operators have tried, in the past, to convince them to issue plates bearing their calls under the idea that in the event of an emergency their vehicle would be easily identified as one containing radio transmitting equipment. Their attempts were not successful.

GRS users are in a much better position to request these plates. If we work on the idea that in the event of a local emergency GRS mobiles could be recognized by their 'XM' plates and we can produce evidence of the number of emergencies that GRS people now assist in, we would have an extremely good program to sell to our elected officials.

Our job will be a little harder because this request has previously been made by The Amateur Radio Operators; but if we support our claims with the necessary proof, I feel our chances will be very good."

.....

Editor's note:

How about that! By the way, has it occurred to anyone that the best way to advertise a vehicle as being equipped with two-way radio would be to fasten a metal pole about 8 feet long to the vehicle so it could be seen from a distance even greater than a licence plate number? Policemen, etc. would soon get to know the meaning of this symbol.Maybe for want of a better name, we could call it an "antenna".

A MEETING PLACE FOR ALL ONTARIO AMATEURS! (JULY 15th & 16th)

At the Chicken Junction Picnic, to be held at the most beautiful park in Ontario, Elora Gorge Conservation Area, (centrally located a few miles north of Guelph) 300 acres of rolling meadows, cedar woods, the spectacular gorge and much more. Unequalled for camping. Come Friday or Saturday with your tent or trailer. Picnic proper starts Sunday noon.

Dance Saturday night with Ham talent???

Two acre lake for swimming.

Free pop and ice cream, games and prizes for the kiddies.

Centennial beard contest.

Swap shop - bring your junk for auction.

Championship fight between VE3 Very Fat and VE3 Porky Torso.

Trailer hook-ups - toilets - good water.

A MEETING PLACE FOR ALL ONTARIO AMATEURS! (JULY 15th & 16th (Cont'd.))

Prizes for OM's and XYL's.

Centennial Award for the family group that most uniquely portrays
Canada's Centennial.

Spend the weekend or just Sunday noon to supper. Bring your lunch and supper.
Programme starts at 12:00 noon with group lunch.

Registration (Family) - \$2.00. Park admission - \$1.00 per car.

Tents and trailers - \$2.00 per day.

Register in advance (refund if you cannot make it) to:


Lee Durling, VE3VF,
186 Guelph Street,
OSHAWA, Ontario.

CENTENNIAL QSL CARDS.


For Centennial year, we are proud to be able to advertize this outstanding Card,
printed in Royal Blue, Gold, Red and White, on heavy glossy stock.

Canada

VE3FKA



GEORGE P. RICKARD
841 VALETTA ST., LONDON, ONT.



centennial

Orders may be placed through the Society, however, delivery will be expedited by
ordering direct to the Designer of the Card: George Rickard, VE3FKA, at the address
shown on the sample. Cost is only \$5.00 per hundred, with either your VE or 3C call as
you wish.

SIGNALS CENTENNIAL RE-UNION.

VIMY BARRACKS, KINGSTON

September 15th to 17th, 1967.

The Royal Canadian Corps of Signals plans to celebrate Canada's Centennial Year by holding a Monster Re-union at Vimy Barracks, Kingston on the weekend of September 15th to 17th, 1967.

The invitation to attend is extended to all who have ever served in the Corps in any capacity.

For those with tents and trailers, a camping area nearby is included in the Committee's plans. For those who prefer more civilized comforts, special motel and hotel rates are being arranged. For full details, contact the Re-union Committee Office, Vimy Barracks, KINGSTON, Ontario.

Festivities begin at 1500 hrs. on Friday, September 15th, with registration of those attending followed by an All Ranks and Veterans' Mixed Informal Evening with Cafeteria Style Supper available for families (\$1.00).

On Saturday, there will be tours of the 1,000 Islands, visits to Old Fort Henry, tours of the Signal's Museum, Open House of the Genet and Transmitter Buildings and Vehicle and Equipment displays on the Parade Ground during the morning. Lunch will be served from 1200 to 1400 hrs. (\$1.00); and in the afternoon, the R.C. Sigs. Bands and the Cdn. Armed Forces Motorcycle Display Team will give a programme on the Parade Ground from 1400 to 1530 hrs. A Family Beach Barbecue will be held at Arrowhead Beach from 1600 to 1800 (\$1.25). The Retreat Ceremony will be held on the Parade Ground at 1930, and the day will end with a Mixed Informal Party starting at 2000 (\$2.00).

Sunday will start at 1100 hrs. with a Drumhead Service and March-Past of the Old Boys on the Parade Ground. Lunch will be available from 1200 to 1430 hrs. (\$1.00), and the "Club" will be open from 1200 hrs. on to All Ranks and Veterans.

3C3RCS will be on the air, and have a commemorative QSL Card.

The prices quoted are the Maximum Cost per Person.

FLASH !!!!!

The Scarborough Amateur Radio Club are again manning the CNE Booth with the call VE3WE.

They have invited the RSO, and we have accepted, to participate with them in this mammoth undertaking by being at the booth to talk to Ham visitors about RSO.

We are looking for about 45 DAYTIME OPERATORS to assist in running the station. If you can help please get in touch with either VE3BBC, Steve Cody or VE3NK, Tom Kennedy for details.

The Canadian National Institute for the Blind

His Excellency Major General GEORGES P. VANIER, D.S.O., M.C., C.D.
Governor General of Canada, Patron



*E. A. BAKER, O.B.E., M.C.,
Croix de Guerre, B.Sc., LL.D. —
Honorary President
R. S. MISENER—Winnipeg
President
*SANDFORD LEPPARD—Toronto
Vice President
WILFRED C. JAMES, B.A.—Toronto
Vice President
His Honour JUDGE F. G. J. McDONAGH—
Toronto,
Vice President and Honorary Treasurer
MEMBERS OF NATIONAL COUNCIL LISTED OVERLEAF

NATIONAL OFFICE

1929 Bayview Ave., Toronto 17, Ontario
Telephone: 485-8644, Area Code 416

*A. N. MAGILL, M.A.—Managing Director
A. V. WEIR—General Manager

Cable Address "Canib"

*Blind

June 1st, 1967.

Radio Society of Ontario Inc.,
Wm. F. Choat, President,
P.O. Box 334,
TORONTO 18, Ontario.

Dear Bill:-

As this season of Ham Radio activities draws to a close we want to thank RSO for the many things the Society has done since last January when RSO took on the public service project of helping Blind Amateurs.

Largely as a result of your On-the-Air Bulletins, correspondence with your members and publicity in the "Ontario Amateur", the R.S.O. has already succeeded in soliciting donations of money and equipment having a total value of several thousand dollars. Please thank on our behalf the following Amateur Radio Clubs: BELLEVILLE - COOKSVILLE - KINGSTON - NIAGARA - NORTOWN - OSHAWA - PEEL - SCARBORO - SKYWIDE - SUDBURY - TRILLIUMS and VHF Society - - - and the following individuals:
VE3's//AOE/AOY/AW/AWO/BCC/BOF/BUP/BZA/CJ/CLK/CO/COF/CW/DF/DJK/EMH/EZS/GB/
VE3's//GIK/HJ/LI/MJ/NW/PH/QD/UC/UU/VE and N. L. Putnam.

Particular thanks are also due to VE3DSD (for assembly of HW12 Transceiver with calibrator and CW modification) and to VE3CNN (for assembly of HP23 Power supply and microphone); to Daystrom Ltd. both for financial contributions through R.S.O. and technical assistance; to several dozen Associate Members of The NIBS for their fees; to the Sponsors of Blind Licensees and other sighted Amateurs who help with antenna erection, home station wiring and maintenance. It is impossible to mention all these individually but you may be interested in our estimate that over 50 of your RSO members are actively helping Blind Hams in Ontario at the present time as well as many others through their local Clubs.

Our Bulletin No. 1 outlines some of the progress already made (copy attached). Proper grounding facilities, the HW12 and initial audio aids are being installed at VE3NIB and it is hoped that this Club station at Bakerwood will be on both 75 Meters and 20 Meters this fall. This progress is due in large measure to the wonderful help it has been to have RSO interest and assistance.

Yours sincerely,

CNIB A.R.C. Administrative Board,

David Loyal
Chairman.

NIBS NEWS

Bulletin No. 1

The CNIB Amateur Radio Club has been set up to correlate and administer, on behalf of CNIB, Amateur Radio activities of blind Hams and Blind Hams-in-training in Canada who wish to participate.

Every licensed Ham who is registered with CNIB will have the privilege of becoming a member of CNIB ARC. No dues or fees are contemplated.

These activities will include any clubs, nets, club stations and services to individual blind Hams in setting up their own home stations (in co-operation with sponsors of such blind Hams, as now required by DOT, and any co-operative efforts of other radio clubs), especially where financial or other assistance of CNIB is required or desired in making the educational and recreational advantages of amateur radio available to those registered with the CNIB in Canada.

In Ontario, a Metro Toronto Club (called the Nibs Amateur Radio Club) and the White Caners' Net have already been formed and are initially operating successfully.

An RSO/CNIB Technical Committee is already operating to investigate, build and test audio aids, safeguards and any other devices needed or desirable for blind Hams. It is intended that the results of such work will be made available to all CNIB ARC members when results are evaluated, proven, and instructions for operation developed.

The first club station for blind licensed amateurs is already licensed (call sign VE3NIB at BakerWood, Toronto)--- equipment has been donated and installed --- 75 meter antenna erected --- and this station will be in operation under a Supervisory Committee until all the new and additional ancillary equipment required for safe use by blind operators is installed and operators and sponsors properly trained.

All those in Canada who are registered with CNIB and who are now licensed amateur radio operators or who are in training to obtain licenses are invited to send their names, addresses, information on present equipment, problems, etc. to:

CNIB Amateur Radio Club, c/o Paul O'Neill,
CNIB, 1929 Bayview Avenue, Toronto 17, Ontario.

All such licensees or those in training will be put on a CNIB ARC register and will receive bulletins from time to time outlining the progress being made in these new activities. Any Amateur Radio Clubs in Canada who have members interested in these activities for the present and potential blind Hams are also invited to indicate their interest.

VE3AW D. S. Lloyd, Chairman.

EXECUTIVE TACKLES COMMUNICATION PROBLEM.

Decision made on best ways to maintain communication between Members, Delegates and Executive.

BELIEF EXPRESSED THAT EFFECTIVENESS OF SOCIETY RESTS IN ABILITY TO ESTABLISH AND MAINTAIN EFFICIENT CONTACT.

"Interchange of ideas and information should be a two-way street". . . . Tom Kennedy, VE3NK.

"As a lawyer, I am extremely cognizant of the fact that communication should be rapid, accurate and to the point". . . . Arthur Meen, VE3RX.

"The success or failure of any organization depends on the effectiveness of communication and the empathy it engenders between its members". . . . Bill Choat, VE3GO.

"The Ontario Amateur", issued four times a year in the past, is essentially a vehicle to maintain touch between members, delegates and executive. To increase its effectiveness, frequency of publication will be stepped up to six issues a year beginning with the February 1968 issue.

Frequent dissemination of topical news is also necessary; and to this end, VE3RSO broadcasts a weekly bulletin informing members of policy decisions and events of interest and importance. The coverage of this broadcast has been extended so that ALL MODES and ALL SECTIONS OF THE PROVINCE are included.

It was considered beyond dispute that the only way to reach all parts of Ontario by means of evening broadcasts was on the 75 meter band. Two nets give more intensive coverage to metropolitan areas on the two meter band. THIS DOES NOT MEAN THAT THIS IS A 75 METER SOCIETY. It just means you cannot cover Ontario on 40 meters in the evening or 20 meters anytime.

Recognizing that not all amateurs can listen to the weekly broadcasts because of shift work, other activities, equipment deficiencies and so on, it has been decided to print much of the news from the broadcasts in "The Ontario Amateur".

To give non-listeners an idea of the flavour of the broadcasts, the following pages give items directly as they have been read. Following issues will edit the material to make it more suitable and interesting for reading, and also expand on news that had to be condensed because of the time limit of five minutes imposed on the broadcast.

R. S. O. BROADCAST

Here is the now famous opening heard weekly from VE3RSO, and with necessary call-sign changes from seven official broadcast stations:

"QST FROM VE3RSO, OFFICIAL STATION OF THE RADIO SOCIETY OF ONTARIO. THIS OFFICIAL BULLETIN IS GOING OUT OVER THE CHICKEN JUNCTION, LAURENTIAN AND ONTARIO PHONE NETS; THE R.T.T.Y., C.W., TWO METER, CAPITAL CITY AND NORTH WEST NETS."

April 19th - Missing from "The Ontario Amateur" spring edition was the Statement of Policy of the Society formulated at the February Executive Meeting and which reads as follows:

THE RADIO SOCIETY OF ONTARIO IS TO BE THE ORGANIZATION BEST REPRESENTING AND SERVING THE NEEDS OF ONTARIO AMATEURS. THE DELEGATES AND EXECUTIVE COM- PRISE A UNITED BODY SERVING THE MEMBERSHIP AND PLAN- NING TOGETHER TO IMPLEMENT THE OBJECTIVES OF THE SOCIETY.

One of the most exciting events of amateur radio in Ontario is the announcement that the Provincial Government Centennial Project, the multi-million dollar Ontario Science Centre, located in the Don Valley, will contain a permanent amateur station of advanced design. The Society is proud that its President, Bill Choat, VE3CQ, has been appointed Chairman of the Committee to make recommendations regarding installation and operation of this station.

THERE HAVE BEEN NUMEROUS CONTRADICTIONARY REFERENCES ON THE AIR TO THE EFFECT THAT THE SOCIETY IS:

(a) ANTI-A.R.R.L. AND

(b) AFFILIATED WITH A.R.R.L.

THE EXECUTIVE WISHES TO PUBLICIZE ITS UNANIMOUS DECLARATION THAT THE SOCIETY IS COMPLETELY INDEPENDENT WHILE WELCOMING THE CO-OPERATION AND FRIENDSHIP OF ALL. THE SOCIETY IS FURTHER ON RECORD AS FAVOURING A CANADIAN FEDERATION OF PROVINCIAL SOCIETIES AS A SOUND AND PRACTICAL MEANS OF FORMING A NATIONAL ORGANIZATION, AND HAS DECLARED ITS WILLINGNESS TO SEND A DELEGATE ANYWHERE IN CANADA, THIS YEAR, TO MAKE SUCH AN ORGANIZATION A REALITY.

April 26th - The Committee to provide aid to widows of deceased members has been transferred from the Chairmanship of VE3EVS to Charles Bailey, VE3BOF. Assistance under this program, initiated only two months ago, has already being given in three instances. Non-members of the Society, who may not be

R. S. O. BROADCAST (Cont'd.)

convinced of their own immortality, are urged to consider the potential value of this service to their families.

REES POWELL, VE3DJK, HAS BEEN APPOINTED CHAIRMAN OF A COMMITTEE TO RECOMMEND ANY NECESSARY CHANGES IN THE BY-LAWS OF THE SOCIETY. ANY MEMBER WITH SUGGESTIONS IN THIS REGARD SHOULD GET IN TOUCH WITH VE3DJK.

Diz DeZorzi, VE3FWS, has been appointed Membership Secretary. He reports that membership now stands at over 950 compared with 612 one year ago. The honor of being number 1,000 is open to all non-members listening to this bulletin. (NOTE: At press time, membership stands at 1,033. Member Number 1,000 is Fred Looker, VE3GML, who received a letter of congratulation from the President, and a refund of one year's membership fee.)

One of the most important aspects of TVI has been the lack of ground rules, so that the amateur knows where he stands in relation to the set owner, the Department of Transport and the TV set manufacturer. Last week's bulletin described how the Technical Committee was working with D.O.T. to establish specific technical standards, TV field strength and amateur harmonic suppression. We have a report from Rees Powell, VE3DJK, Chairman of the Committee to investigate Manufacturers' Policy regarding their products, that exceeds our expectations.

Rees has been invited, after extensive correspondence, to present our views to the "Television Set Manufacturers Association".

The purpose of this presentation is to urge the manufacturers to assume and acknowledge their responsibilities in cases of front-end overload - the largest single cause of TVI.

WITH THE CO-OPERATION OF THE FEDERAL COMMUNICATIONS COMMISSION, WASHINGTON, D.C., THE SOCIETY IS DISTRIBUTING TO MEMBERS, ON REQUEST, FORM 410 "APPLICATION FOR PERMIT TO OPERATE IN U.S.A.". MEMBERS WHO WISH TO OPERATE MOBILE OR PORTABLE IN THE U.S.A., CAN CUT ABOUT TWO WEEKS FROM THEIR WAITING TIME BY MAKING USE OF THIS SERVICE. REQUESTS SHOULD BE ADDRESSED TO R.S.O., ATTENTION BILL BISSELL, ASSISTANT SECRETARY, BY MAIL OR TO VE3CTJ VIA THE C*J NET.

Non-members who have abstained from membership because of their impression that in the past there has been dissention within the Society, will be encouraged to know that a spirit of harmony and mutual respect is an outstanding feature of the present executive.

Members of the Executive are active in laying the groundwork for the formation of a National Organization, in line with the policy declaration in this regard passed at the February Executive Meeting. As many of you know, efforts by a few dedicated amateurs working in the corner of a basement have, in the past, resulted in failure on more than one

R. S. O. BROADCAST (Cont'd.)

occasion, and THE SOCIETY IS; THEREFORE, INTENT ON FORMING THE PROPOSED NATIONAL FEDERATION OF PROVINCIAL ASSOCIATIONS ON A FIRM AND DURABLE FOUNDATION.

May 9th, - Bob Murray, VE3EVS, has recorded on tape the last issue of "The Ontario Amateur". These tapes are currently being circulated to White Cane operators. Any amateur interested in subscribing to this free service should contact VE3EVS. These tapes are post-free in both directions.

R.T.T.Y.: WE HAVE BEEN ADVISED BY C.N.T. THAT THEY ARE RETURNING ALL NO. 15 MACHINES TO SERVICE. WHEN C.N.T. ANSWERS THE APPLICATIONS ON HAND, THE LETTERS WILL BE TO THE EFFECT THAT ONLY NO. 14 MACHINES WILL BE SUPPLIED.

For those amateurs who are interested in Certificates and Awards, there follows a list of such R.S.O. services:

- (1) R.S.O. CENTURY AWARD: Awarded for 100 contacts with R.S.O. members. Members may identify their QSL Cards by affixing the small stickers printed with the Society Emblem and available free on request from the Secretary.
- (2) KEITH RUSSELL MEMORIAL TROPHY: This is awarded to the Club having the highest Field Day score, and is presently held by the Windsor A.R.C.
- (3) RUSTY BRENNAN TROPHY: This is a new award designed to give smaller Clubs encouragement on Field Day. The score is determined by dividing "Total A.R.R.L. Score" by "Total Number of Operators" less "Operators Licensed Less Than One Year". For Affiliated Clubs only.
- (4) Large decals of the Society Emblem, for application to automobile windows, are available from the Treasurer for a nominal charge of 25¢.

A CONTEST TO FIND A NEW NAME FOR THE QUARTERLY BULLETIN, NOW CALLED "THE ONTARIO AMATEUR", IS NOW OPEN TO ALL MEMBERS. THE WINNER WILL BE AWARDED A \$20.00 CASH PRIZE, DONATED ANONYMOUSLY, AND A ONE YEAR EXTENSION OF MEMBERSHIP. DEADLINE FOR ENTRIES IS AUGUST 8th, 1967; AND THE USUAL PROVISIONS REGARDING DATES, DUPLICATE ENTRIES, ETC. SHALL APPLY.

A Meeting will be held in Winnipeg September 2nd and 3rd, 1967, with the various other Provincial Societies, in order that the organizational details of the proposed National Federation can be agreed on. The seriousness with which the Executive regards this meeting is reflected in the composition of the strong delegation it is sending consisting of:

The President, Bill Choat, VE3CO, Toronto.

Delegate for the Hamilton area - Tom Kennedy, VE3NK, Dundas.

R. S. O. BROADCAST (Cont'd.)

Delegate for the Ottawa area - Rees Powell, VE3DJK, Cornwall.
 Delegate for the Kitchener area, - Al Hampshire, VE3BWM, Clinton.

If possible, a member of the Technical Committee will also attend.

Members are urged to communicate their views concerning the mechanics of the proposed Federation to any of the above. While the Executive has urged the President to accept expenses for this trip, the remainder of the delegation will be going at their own expense.

THE PROJECT TO ASSIST IN THE FORMATION OF A NATIONAL ORGANIZATION IS PROBABLY ONE OF THE MOST IMPORTANT JOBS THE SOCIETY HAS EVER UNDERTAKEN. MEMBERS AND NON-MEMBERS ALIKE, WHO HAVE HELD THE VIEW THAT THE SOCIETY WAS UNDULY INFLUENCED BY OFFICERS FROM ANY ONE GEOGRAPHICAL AREA, SHOULD TAKE PARTICULAR NOTICE OF THE COMPOSITION OF THE DELEGATION TO THE WINNIPEG MEETING. THIS MAKE UP IS TYPICAL OF ALMOST ALL EXECUTIVE COMMITTEES.

May 23rd - The Technical Committee has designed, built and tested a low-pass filter for TVI suppression that exceeds the performance of commercially available filters; and is currently conducting enquiries with a view to having it commercially produced for members.

WHILE THE PROJECT TO ASSIST LOCAL AMATEUR RADIO CLUBS IS NOT COMPLETELY OPERATIONAL, CLUB EXECUTIVES ARE ADVISED THAT THE SOCIETY CAN ASSIST IN FURNISHING SPEAKERS FOR MEETINGS, AND ADVICE ON SOURCES OF MOVIES OF AN ELECTRONIC NATURE.

May 30th - THE PRESIDENT REGRETS TO ANNOUNCE THAT ROY C. GOLDING, EDITOR IN CHIEF OF THE PUBLICATIONS COMMITTEE, HAS FOUND IT NECESSARY TO RESIGN HIS APPOINTMENT FOR PERSONAL REASONS. MR. HERB NELSON, VE3BFG, HAS AGREED TO FILL THE VACANCY AND SERVE AS ACTING CHAIRMAN OF THE PUBLICATIONS COMMITTEE AND EDITOR OF THE BULLETIN.

Affiliated Clubs are reminded that the Society will, upon request, make a prize donation for any one annual event by each Club. Requests should be made well in advance to the Secretary.

The Policy statement was made on this broadcast a few weeks ago. Various specific plans and projects for 1967, which are underway, have also been published. The Society knows where it is going; and in all its short term plans, is working towards the following long term objectives:

- (1) TO ESTABLISH A PERMANENT HEADQUARTERS.
- (2) TO MAINTAIN A PAID STAFF.
- (3) TO PRODUCE A MONTHLY PUBLICATION.

R. S. O. BROADCAST (Cont'd.)

- (4) TO ESTABLISH AND HAVE A RADIO STATION IN DAILY OPERATION.
- (5) TO CONDUCT A YEARLY CONVENTION IN CONJUNCTION WITH AN AFFILIATED CLUB.
- (6) TO HELP SUPPORT AND CREATE A NATIONAL FEDERATION OF PROVINCIAL SOCIETIES.
- (7) TO PROVIDE WORTHWHILE AIDS FOR THE AMATEUR STATION & RADIO CLUB, INCLUDING A VARIETY OF PUBLICATIONS, LOG BOOKS, MESSAGE FORMS AND FILTERS FOR TVI.
- (8) TO ACHIEVE A MEMBERSHIP COMPRISING OF SEVENTY-FIVE PERCENT OF ALL ONTARIO AMATEURS.

STOP THE PRESSES

RSO TO HANDLE QSL CARDS FOR GOVERNMENT

Although details are not yet complete we have been informed that the Department of Tourism and Information of the Ont. Government has approved the reinstitution of QSL cards for Ontario.

They will be available to licensed amateurs only and the R.S.O. Inc. has been asked to handle their distribution.

Also, because our membership of over 1,000 represents virtually all active amateurs in the province, the Govt. has indicated that to assure a supervised un wasteful distribution to active amateurs the R.S.O. will be asked to distribute Ontario QSL Cards to members of the R.S.O. only.

Listen to VE3RSO Official Bulletins over all Ontario Nets for further particulars.

Letters to the Editor

Dear Sir:

I received my copy of The Ontario Amateur several days ago. I wish to congratulate the R.S.O. on its production.....each issue seems to be better than the last. I found this issue to have much of interest to me. I am glad to see the acrimonious type of discussion is gone. Not that I am suggesting this was the fault of the editors, it wasn't. I hope it represents a more mature and constructive attitude on behalf of all Ontario amateurs.

In its place, I hope to see good, healthy, constructive criticism. This is good for any organization.

The ads interested me very much this time. I had decided to get myself a better transmitter sometime ago so I answered some of the listed ads. I had no luck. All were sold before I got there, so, your ad service sure works F.B. Therefore, I am going to try the system in reverse in the next issue of The Ontario Amateur. When you next go to press, would you please insert the following ad.?

73

Adrian J. McMann, VE3AYA

Dear Sir:

Re your correspondent, Mr. R. French, VE3XX, I would like to provide some facts of which many are probably not aware.

Firstly, I am afraid the opinions expressed are not shared by all amateurs in Canada. They may be in the U.S.A., but this I doubt too.

Secondly, the A.R.R.L. is not an International Organization but rather a Continental Organization, but only as far south as the Mexican Border. Mexico remember has its own organization. Also only members in the U.S.A. and Canada are permitted to vote.

Thirdly, surely the author is confusing A.R.R.L. with I.A.R.U. - two separate organizations. The I.A.R.U. is an International Organization.

Fourthly, the author says: "The R.S.G.B. operates in the same manner as the R.S.O.". The fact is, the R.S.G.B. represents all the Amateurs of a Sovereign Country. The R.S.O. Inc. represents a Province. R.S.B.G. has representatives on the Region 1 Committee, a liaison committee with the British General Post Office, and sends representatives to the I.A.R.U. Conferences, etc. Whereas the R.S.O. Inc., at the moment, is only dealing with amateurs within a section of Canada, not the whole Dominion.

I agree that we are involved in international communication. That is those who wish to, but I regret that the borders present quite an obstacle when bringing in radio equipment from the U.S.A. Likewise the Radio Act of Great Britain, Canada and the U.S.A. differs somewhat.

Personally I am Yours very truly, Rowland C. E. Beardow, 3G3AML.

SHOP

THIS SERVICE FREE
TO INDIVIDUALS WHO WANT TO TRADE
OR SELL PERSONAL EQUIPMENT. JUST
SEND US YOUR AD.



SWAP

VE 3 RSO

P.O. BOX 334
TORONTO 18, ONT.

WANTED: Good, used transmitter, Valiant, Ranger, Apache or similar.
Adrian J. McManus, R. R. 1, Wyoming, Ontario.

FOR SALE: Heathkit gear; Mohawk Revr RXL, Marauder TX HXL0, Warrior amplifier
HAL0. All A-1 condition.
Phone: John Ohmacht, VE3JE, 284-5110.

WANTED: HW-12 or other transceiver suitable for mobile use.
Lloyd Marsh, VE3PT, Box 89, Queenston, Ontario.

FOR SALE: Complete station SB100 transceiver, HP23 Power Supply, HS-24 speaker,
GH-12 Microphone, SWR Metre and high gain 5 band antenna. All in
excellent condition. \$575.00 delivered.
Tom Kennedy, VE3NK, 16 Jameson Drive, Dundas, Ontario. Tel: 628-6844.

WANTED: New or used, copy of "Antenna Engineering" by Edmund LaPorte.
Lorraine Nelson, VE3AYV, Box 192, Port Colborne.

FOR SALE: Panadaptor, with manual and frequency converter, for use with any IF.
\$75.00.
"Pop" Bolduc, VE3AUN, 1303 Erie Street East, Windsor, Ontario.

Chicken Junction Directory of Active 75 Metre Phone Station, 600 list-
ings, with handle, phone no., address, cross index by city. \$1.00 post
paid.
VE3BFG, Box 192, Port Colborne.

FOR SALE: Collins 75S-1 receiver, 32S-1 transmitter, 516F-2 Power supply, 312B-4 station control unit. Immaculate condition. Package only \$1,050.00. Len Cutress, VE3DWL, 35 - 5th Street, Welland.

FOR SALE: High-pass filters - eliminate TVI caused by front end overload. H-P filter is distributed to Members at laid-down cost R.S.O., Box 334, Toronto 18.

WANTED: 2 used rubber bands, any condition. Needed for model aeroplane. Phone Malton Aerodynamics Research Ltd. (we're in the book)

FOR SALE: ARC5 for 80 metres. Good condition. Partially converted. \$14.00.
S.A.R.C 2 Metre Transceiver. 5 Watts. With Universal Power supply and 5 crystals. \$49.00.
Len Curzon 97 40th Street, Toronto 14. CL9 8845.

Apologies from the Editor to W. F. Jones, VE3HJ, whose Ham-ad, for insertion in the last issue, was misplaced by the editorial staff.

RADIO SOCIETY OF ONTARIO INC.

APPLICATION FOR MEMBERSHIP:

NAME CALL

ADDRESS
..... D.O.T. DISTRICT

DATE SIGNATURE

IF YOU ARE A MEMBER PLEASE PASS THIS APPLICATION ON TO A NON-MEMBER!

Membership FEE ----- \$ 2.00

MAIL TO:

Radio Society of Ontario Inc.
P. O. Box 334,
Station "U",
TORONTO 18, Ontario.

JUNE / 1967

COMING EVENTS

EMERGENCY POWER FOR THE MASSES. Remember the blackout? and not one miserable fixed station in the whole of our largest city on 75 metres to take traffic? One alternator from the auto wreckers, plus one old lawn mower motor, equals the ability to fill your responsibilities. by VE3BWM.

PUTTING THE HEATHKIT TWOER ON FM.....or, You Too Can Work the Repeaters. Take a Twoer, two bucks, two evenings.....by VE3AL.

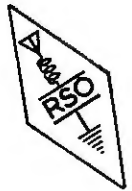
Don't be caught with your subscription down.....be the envy of your parsimonious friends.

IS R.A.Q.I. BETTER THAN R.S.O.?.....an interesting comparison, complete with a little good-natured rivalry.

THE NOVICE QUESTION - FRESH BLOOD OR MORE LIDS?.. Complete with facts. Do you mean to say you have already made up your mind on the basis of the propaganda?

WHAT DOES THE ARMY THINK OF AMATEUR RADIO?.....An interview with a senior Signals Officer. Like to know how we measure up? Don't miss this one.

PLUS.....a new, handier size....advertisements...cartoons....where the Canadian Division of A.R. R.L. stands on the important issues (you won't find out in QST).....and much more.



Be A Booster!

COMPLIMENTS OF VE3UU

KEN ANDRAS

ANDRAS, HATCH & HETHERINGTON LTD.

Member of Toronto Stock Exchange

4 King St. West Toronto

World's Largest Selection Of Ham Gear

Jack Balchman



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